

PRIZE HOMES *of* WEST COAST WOODS

CHOSEN BY
A JURY OF AMERICA'S
FOREMOST ARCHITECTS



WEST COAST LUMBER BUREAU

Seattle
Washington

Longview
Washington

Portland
Oregon

The Jury of Award

W. R. B. WILLCOX, *Chairman*, Eugene, Oregon, Professor, Department of Architecture, University of Oregon.

HENRY C. HAHN, New York City, associated with Francis Y. Joannes, Architect, and a leader in the Architects' Small House Service Bureau.

LOUIS C. JAEGER, New York City, associate of Roger Bullard, Architect, and interested with Mr. Hahn in the Architects' Small House Service Bureau.

EMERY STANFORD HALL, Chicago, member of the firm of Emery Stanford Hall, Bisbee and Rhenish, Architects.

DAVID J. MYERS, Seattle, Washington, member of the firm of Schack, Young and Myers, Architects.

1 1 1

J. LISTER HOLMES, *Architect*, A. I. A., Professional Adviser, Seattle.

Homes of Beauty...

each one distinctive, practical, permanent...

IN THIS book are reproduced the twelve prize-winning designs of the West Coast Woods Architectural Competition, conducted during 1927 by the West Coast Lumber Bureau under the auspices of the Washington State Chapter of the American Institute of Architects. These designs were chosen by a jury of Institute members as the best of more than two hundred designs submitted. The designs and details developed in this competition are an important contribution to American home architecture.

Good architecture is a development, and only that which is worthy lives over from one generation to another. Each race has marked its path across the pages of history by the types and styles of its architecture. The American people in a dozen generations have contributed more to home architecture than have other peoples in thousands of years.

American home architecture is distinctive, and the home love of the American people has been expressed to a greater extent in wood than in any other medium. Wood always has been plentiful. It is easy to shape, warm and friendly to live with. A home of wood may be remodeled or added to at the desire of the owner.

Wood is most flexible. It may be used to suit almost any architectural requirement. These reasons are behind the love of the early Colonists for the home of wood as shown in the beautiful New England Colonial, the Dutch type in New Amsterdam and Pennsylvania, and the stately mansions of the Virginias.

Appreciation of the good taste and really fine architectural designs in wood of these early homes, and of their prototypes and other

uses of wood abroad, has been developing rapidly in the last decade. The increased wealth of the American people and their growing desire for comfort and beauty have enabled this appreciation to be translated into realization through building.

There are as good woods today as there ever were, and discriminating builders can get from the Four Big-Tree Woods of the West Coast all the qualities in wood that endeared this material to the hearts of their forefathers along the Atlantic seaboard three hundred years ago.

It was to demonstrate this availability, "to develop and bring forth the uses, applications and methods of construction and finishing of Douglas Fir, West Coast Hemlock, Western Red Cedar and Sitka Spruce" that the West Coast Woods Architectural Competition was undertaken.

The entire results of the Competition were most gratifying. Home designs of dignity and charm were submitted by architects and designers throughout the United States, in Canada, and in several foreign countries. The prize-winning designs are here presented, as a tribute to the men who produced them, and for suggestion to the home-builder.

Ground areas and estimated costs have been given. Variations in estimated costs are to allow for differences in the cost of building in the East and in the West, and variations governed by choice or selection of lighting and plumbing fixtures, heating systems, finish of woodwork, and other items variable through the choice of the builder.

"Designer's Suggestions" are given for outstanding features. A brief discussion of the general uses of West Coast woods follows the plans and sketches.

First Prize Design



Vertical siding at front entrance, joints alternately V-cut and covered with battens.



Old World charm is the keynote of this staircase, emphasized by sand etching and hand-carved ornaments.



Hand-hewn Douglas Fir fire-place beam contrasts with V-cut sand-etched boarding of wall.



Second floor plan.



First floor plan.

DOUGLAS FIR · WEST COAST HEMLOCK · WESTERN RED CEDAR · SITKA SPRUCE

First Prize Design



Otho McCrackin, Hutchinson, Kansas

A distinctive design.... beautiful in detail

THIS DESIGN is a result of early American influence on the English cottage type, indicating a pleasing combination of materials, and unquestionably in good wood character.

The arrangement of the interior is unusually well planned. The first floor has a spacious living room and library, hall and kitchen, and a dining room accessible from the breakfast room. This arrangement affords a serving pantry on formal occasions. Each room has light and ventilation from two sides.

The second floor has three corner bedrooms with plenty of light, ventilation and closet facilities, two bathrooms and a cedar closet.

The garage is cleverly "tucked away," with an outside court for an additional car or car service.

Designer's Suggestions

Standing finish in living room, entrance hall and dining room of Douglas Fir. Fireplace beam hand-hewn. Beams of ceiling lightly sand etched, with heavily sand etched border. All to be stained a brownish gray, with portions of the design brought out in rich, deep color. Ceiling of living room to be of V-cut ceiling, random widths, with simple designs at various points.

Vertical siding, as shown on front entrance detail, to be of Western Red Cedar, with joints alternately V-cut and covered with battens. Horizontal siding, Western Red Cedar or Sitka Spruce. Exterior to be finished with weather-gray stain.

Estimated Cost

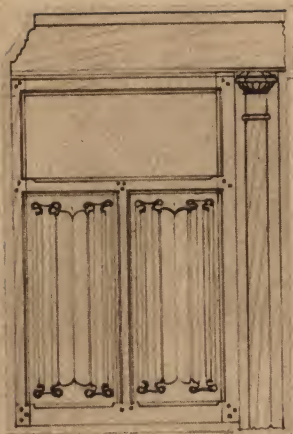
\$10,500 to \$13,500 in the West.
\$13,500 to \$17,500 in the East.

Ground Area

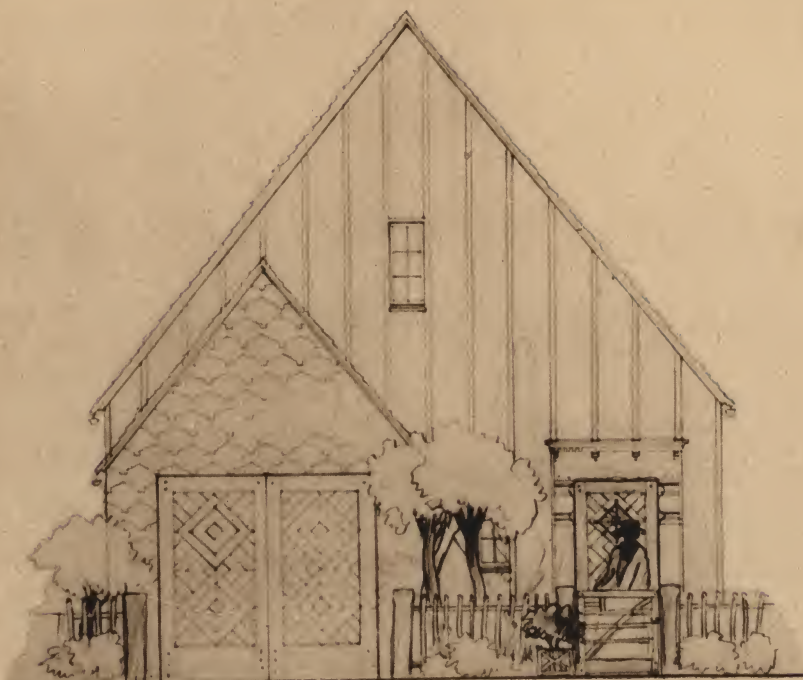
51'-8" front by 32'-0" depth.

DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

Second Prize Design



Interior panel detail.



Entrance and garage.



Entrance door detail.



Living room and fireplace.



*Second floor
plan.*



*First floor
plan.*

DOUGLAS FIR . WEST COAST HEMLOCK . WESTERN RED CEDAR . SITKA SPRUCE

Second Prize Design



Angus McD. McSweeney, San Francisco, California

Designed for a city lot.... compact and livable

THIS DESIGN and the floor plans show an economical solution for an average city lot. Every effort was made by the architect to make the arrangement of the rooms as simple and compact as possible, eliminating all unnecessary space and reducing the gross area to a minimum.

The floor plans are simple, compact and very attractively arranged. This feature was one of the determining factors in selection as the second prize winner.

The first floor plan has three main rooms—the living and dining rooms agreeably opening onto a terrace. The garage has direct access to the house through a porch next to the kitchen.

The second floor provides three roomy bedrooms designed so that light and ventilation come from two directions.

On the main front gable, flush boarding with moulded vertical battens produces a pleasing effect in contrast with the specially cut Western Red Cedar shingles shown on the remainder of the house.

Designer's Suggestions

Exterior, walls and roof, to be of Western Red Cedar. Roof of split cedar shakes laid irregularly and doubled at eaves. Exterior wall to be a weathered gray, roof stained green. Sash may be green.

Interior of living room, dining room and entry to have wood wainscot and wood beam ceilings of Douglas Fir, sand etched, stained and oiled. All floors to be random width thick planks, roughed with jack plane, stained and oiled.

Estimated Cost

\$ 9,000 to \$11,000 in the West.
\$11,000 to \$14,000 in the East.

Ground Area

30'-5" front by 51'-8" depth.

DOUGLAS FIR • WEST COAST HEMLOCK • WESTERN RED CEDAR • SITKA SPRUCE

First Mention Design



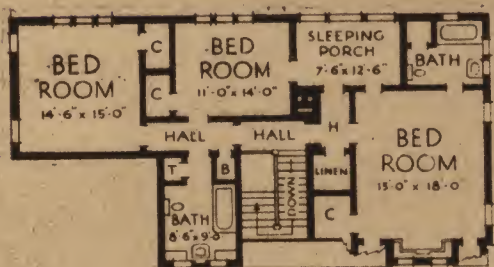
This very livable living room is paneled in West Coast Hemlock. It has Douglas Fir trusses and ceiling with construction showing.



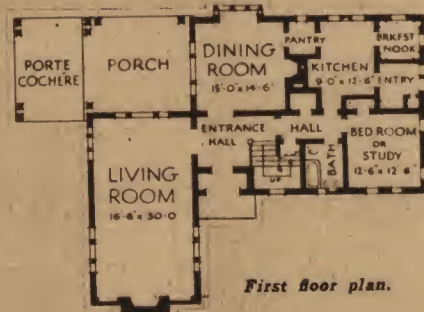
What could be more charming than this entrance?



Section through dining room, entrance hall and vestibule.



Second floor plan.



First floor plan.

DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

First Mention Design



John J. Landon, Los Angeles, California

An *all*-timbered half-timbered home

THIS VERY attractive house was designed to reproduce the charm of the cottages of Northern France with their steep pitched roofs, timbered walls, carved beams and many other pleasing exterior and interior details. It indicates an interesting method of obtaining an all-wood half-timbered effect.

To give this home a pleasing setting, it should be built on a wide lot back from the road, among trees, hedges and shrubbery.

The floor plans are excellent, allowing a large living room, four bedrooms, three baths and sleeping porch.

A careful study of the drawings of the front entrance and living room details, reproduced on the opposite page, will emphasize many of the inherent charms of this design.

Designer's Suggestions

Half-timbered construction, vertical grain Douglas Fir or Western Red Cedar planks set into grooved timbers, or vertical grain planks with joints covered by heavy battens.

Roof of hand-split Western Red Cedar shakes, doubled at ridges and eaves, exposing less of the shake to the weather as ridge is neared. Shakes to be allowed to weather.

Entrance door carving, corbels, doors, door and window frames to be sand etched.

Interior paneling, West Coast Hemlock; beams and posts, Douglas Fir; all to be stained and antiqued. Entrance hall and stair rail, Douglas Fir with design sand etched. Dining room panels of wide West Coast Hemlock with 1"x6" battens. Ceiling with sand etched beams. Wood trusses to show in living room—Douglas Fir. Floor of wide boards pegged and grooved and stained dark brown.

Estimated Cost

\$15,000 to \$17,500 in the West.
\$17,500 to \$20,000 in the East.

Ground Area

56'-0" front by 46'-6" depth.

DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

Second Mention Design



An interior of baronial splendor at modest cost.



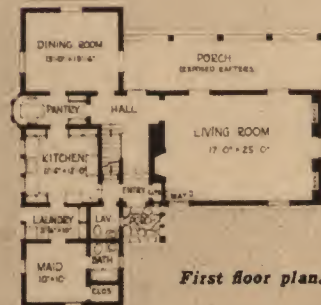
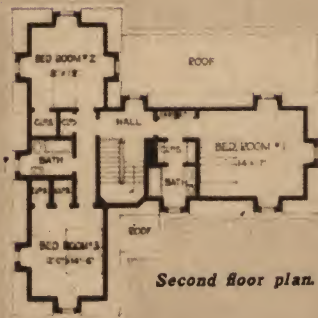
Entrance porch enclosure.



Hallway and stairs of unusual simplicity.



Plain vertical panels add warmth.



DOUGLAS FIR · WEST COAST HEMLOCK · WESTERN RED CEDAR · SITKA SPRUCE

Second Mention Design



H. Roy Kelley, Pasadena, California

A modest home....built on pretentious lines

MANY SMALL families want a seven-room home in a good neighborhood, but are deterred because it may not be pretentious enough in appearance for its surroundings.

This artistic home, of decided French origin, is impressive but modest in cost. The deep roof with its graceful swing at the ridges, and quaint dormers, is very pleasing.

The interior is exceptionally well arranged . . . the large living room with delightful porch adjoining it . . . the maid's quarters . . . the separation of the bedrooms. . . .

This design will be attractive on the ordinary city lot, but will show to much greater advantage where its setting can be a background of evergreen trees with hedgerow and garden gate in front.

Designer's Suggestions

Vertical boards, 1¼"x16" Douglas Fir or Western Red Cedar, saw-surfaced, with shiplapped joints. Quoins, trim, etc., plane-surfaced Douglas Fir. Roof, Western Red Cedar, vertical grain, hand-split shakes—left to weather.

Fireplace end of living room paneled in West Coast Hemlock. Alternate panels to be treated with stenciled ornament in low relief by means of sand etching. Ceiling, 12"x12" girders and 4"x6" beams, Douglas Fir, all hand-adzed. Ceiling over this to be 1"x8" boards, V-jointed.

Estimated Cost

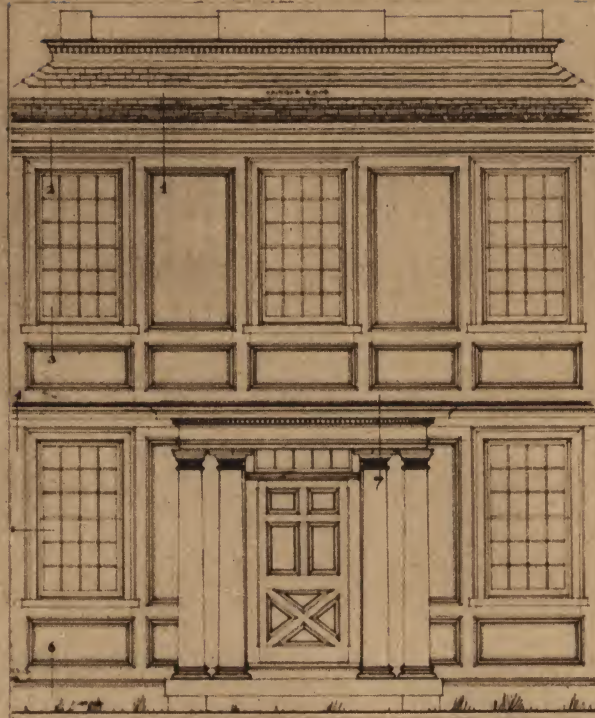
\$12,500 to \$14,000 in the West.
\$14,000 to \$16,000 in the East.

Ground Area

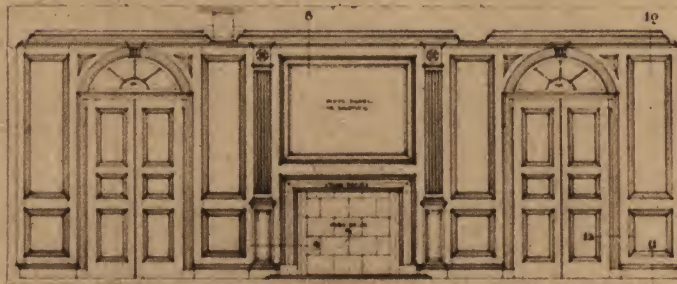
49'-0" front by 48'-6" depth.

DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

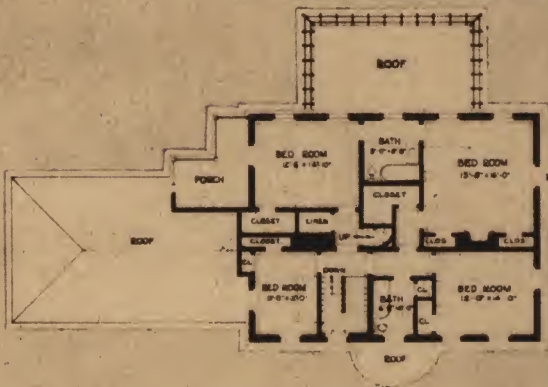
Third Mention Design



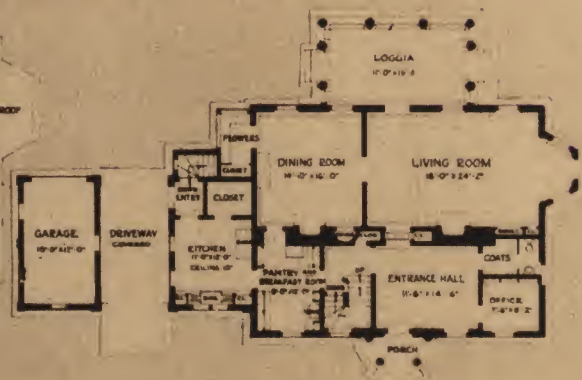
Detail of exterior paneling.



Interior paneling details.



Second floor plan.



First floor plan.

DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

Third Mention Design



Alfred Cookman Cass, New York City

Preserving the tradition of the Colonial type

WE QUOTE from the architect's own comment that "the author entertains no prejudice against 'Romantic' types of domestic work, but is convinced of the enduring freshness and elasticity of the 'Classic' tradition in this field of composition. There is just as much vitality in it as there ever was, and just as much scope for the play of ingenious invention without transgressing the proprieties."

The plan is fundamental, a rectangular unbroken shape, which is economical, roomy and convenient in its interior arrangement and economical to heat. The rectangular home eliminates many nooks and corners that are difficult to press into service. On the other hand, it gives more space for each individual room.

The first floor includes an unusually large entrance hall and a den. The second floor has four bedrooms, two baths and a sun

or sleeping porch. The author feels that a wider use of wood may be obtained by fairly conservative methods rather than by a too radical use of it. The design submitted is intended to provide a working basis for considerable variety in treatment of the woods used.

Designer's Suggestions

Exterior walls to be finished entirely with vertical grain Douglas Fir, combed with a wire brush or sand etched, and stained a light driftwood gray; sash, only, painted white.

Living room and dining room panelled in West Coast Hemlock, fumed or stained a light russet brown; floors of "rift sawed" fumed or stained, wide boards.

Fences, trellises and shingles of Western Red Cedar.

Estimated Cost

\$13,500 to \$15,000 in the West.
\$15,000 to \$17,000 in the East.

Ground Area

54'-0" front by 44'-0" depth.

DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

Fourth Mention Design



Note the interesting ornamentation of the tower and the diagonal boarding of shutters.



Hall and stairway paneling.



Dining room paneling and window details.



The fireplace can well be named a hearth—it is reminiscent of Dickens.



DOUGLAS FIR • WEST COAST HEMLOCK • WESTERN RED CEDAR • SITKA SPRUCE

Fourth Mention Design



Lyle Swiger, Asheville, North Carolina

Designed for the suburban or country home

THIS DESIGN, in form and detail, is adaptable only to wood. Like expression in any other material would be unsuccessful. Note the entrance treatment, which in the upper story is a departure from the conventional horizontal lines. An effect of greater height is thus obtained by placing the siding vertically.

Front elevations reproduced on the opposite page show the interesting woody details of the tower and the diagonal boarding of the shutters.

The arrangement of the rooms allows maximum convenience.

Designer's Suggestions

Living room and stair hall finish of Douglas Fir, sand etched to bring out natural grain, acid stained and finished with clear matt varnish. Dining room and kitchen to be finished in natural Sitka Spruce.

All bedrooms and the sewing room, West Coast Hemlock, with silver gray acid stain and flat varnish. All second floor closets lined with Western Red Cedar.

Roof to be covered with vertical grain Western Red Cedar split shingles, laid with copper or zinc coated nails. Shingles to have thickness of approximately 1" at weathering end, and be creosoted and stained in variegated shades.

Estimated Cost

\$12,000 to \$14,500 in the West.
\$14,500 to \$17,500 in the East.

Ground Area

60'-0" front by 32'-0" depth.

DOUGLAS FIR • WEST COAST HEMLOCK • WESTERN RED CEDAR • SITKA SPRUCE

Fifth Mention Design



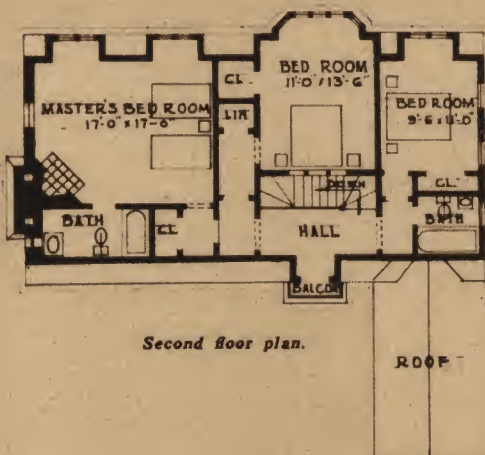
This doorway is charming. Height is given the first floor by vertical siding.



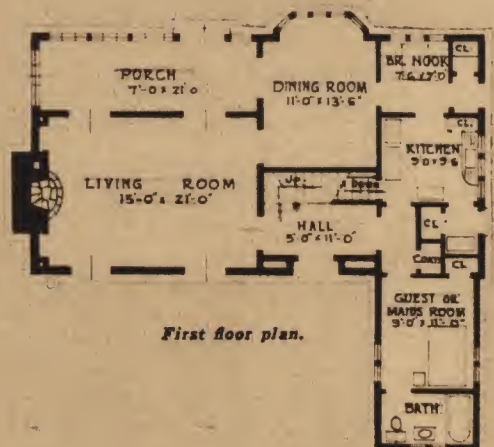
Detail of stencil design for lintel over living room fireplace.



A living room of quaintness.



Second floor plan.



First floor plan.

DOUGLAS FIR · WEST COAST HEMLOCK · WESTERN RED CEDAR · SITKA SPRUCE

Fifth Mention Design



Francis Keally, New York City

Quaint lines give charm to this early American type

HERE, AGAIN, vertical boards and battens give the effect of increased height to what is in fact a small home.

The living room is certain to be bright and cheery the year round, because of its four French doors, two of which open upon a garden vista. The dining room is placed on the garden side of the house away from inopportune callers.

The guest's, or maid's, room, with bath, is away from the owner's sleeping quarters and the upper floor contains three bedrooms, one with fireplace . . . all of them particularly spacious . . . and two bathrooms.

In this design it is the author's purpose to keep all the woods in their natural color. No painting is to be done. The architectural effect is to be gotten by staining only.

Designer's Suggestions

Interior finish of living room to be of Douglas Fir—stained in a soft shade of gray. Where drawings indicate a stencil design, this part of the work to be sand etched.

Flooring to be Douglas Fir or West Coast Hemlock. In living room, planking 14 inches wide of Douglas Fir to be used. Floors to be finished natural.

Roof to be shingles of Western Red Cedar. All closets to be lined with Western Red Cedar.

Breakfast nook, kitchen cupboards and drain-board to be of Sitka Spruce.

Estimated Cost

\$10,000 to \$13,500 in the West.
\$13,500 to \$17,500 in the East.

Ground Area

47'-0" front by 44'-0" depth.

DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

Sixth Mention Design



Entrance detail and porch.



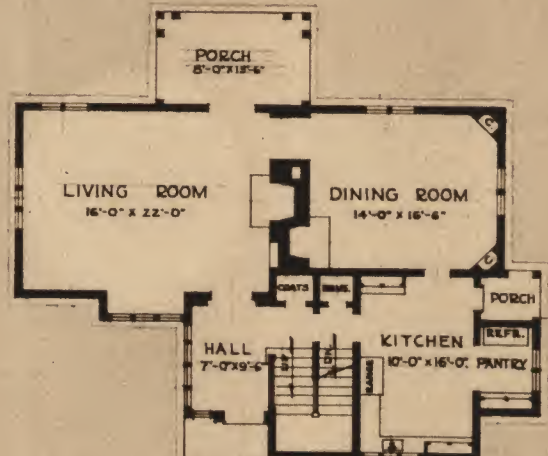
Window detail in dining room.



This fireplace adds charm to the dining room.



Living room fireplace and stairway in hall.



DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

Sixth Mention Design



Frank S. Carson, Ann Arbor, Michigan

This might be on Cape Cod or in England

SNUG AND home-like, this charming little house is very expressive of the beauty of wood and the influence of early American design. The vertical siding of the lower floor is in pleasing contrast to the wide clapboards above.

Downstairs the generous living room has plenty of light and is nicely away from the dining room and kitchen.

Upstairs are three bedrooms and two baths. The master bedroom is roomy and sunny, and is connected with a boudoir in which there is a fireplace.

The details of this home are worked out very well and will give the owner much satisfaction.

Depending on the different qualities of the woods themselves for variety of effect, no paint or stain is used, but a coat of linseed oil outside, and a wax finish inside.

Designer's Suggestions

Shingles or shakes of Western Red Cedar. Siding on upper story of Western Red Cedar or Sitka Spruce. Lower story to be sided with vertical, matched boards of Western Red Cedar or Douglas Fir. Joints covered with beveled battens.

Interior floors of edge grain Douglas Fir or West Coast Hemlock. Entrance hall finished in West Coast Hemlock. Stairs to be Douglas Fir. Fireplace end of living room of flat grain Douglas Fir boards matched and V-cut. Dining room walls finished with alternate plain boards of West Coast Hemlock and narrower moulded boards of Western Red Cedar with West Coast Hemlock base, trim and mouldings.

Estimated Cost

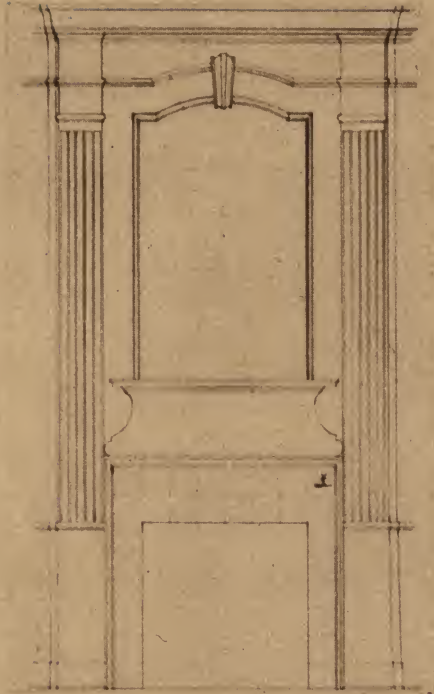
\$10,000 to \$12,000 in the West.
\$12,000 to \$15,000 in the East.

Ground Area

43'-0" front by 31'-6" depth.

DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

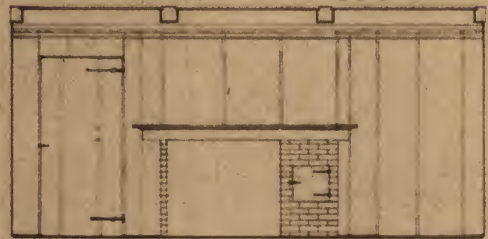
Seventh Mention Design



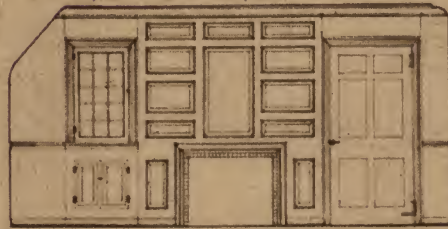
Library mantel detail.



Dining room doors and panels.



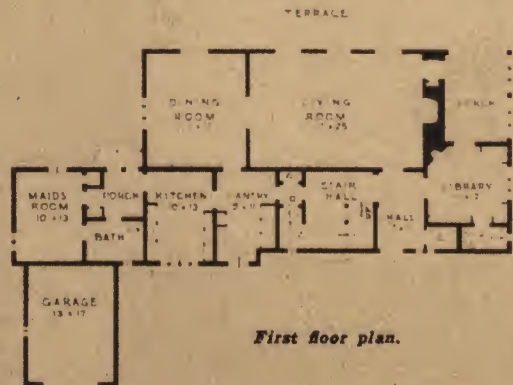
Living room detail.



Detail of bedroom.



Second floor plan.



First floor plan.

DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

Seventh Mention Design



Heth Wharton, Los Angeles, California

A picturesque home.... of the farm house type

THIS RAMBLING farm house type is very pleasing and nicely arranged in plan. The architect's sketch is of the back, but study of the floor plan shows how well the plan is designed to take full advantage of the view from the front. The design adheres little to precedent, but is quite practical and with many charming features.

Above stairs both bedrooms have private baths, while on the ground floor the maid's, or guest's, room has a bath which may be used by the household or as a private bath.

The library is very conveniently arranged next to the hall and can be used as a reception room when entertaining.

This home is conceived to express a dignified yet unostentatious mode of living. Mass and detail are unpretentious and informal. No delicate mouldings or highly polished

surfaces are used, but refinement is obtained by bringing out the inherent beauties of the woods themselves.

Designer's Suggestions

Exterior siding to be Western Red Cedar or vertical grain Douglas Fir, roof of Western Red Cedar shingles or shakes fastened with zinc coated or copper nails.

Interior woodwork to be of Douglas Fir, West Coast Hemlock or Sitka Spruce. Closet linings and shelves to be of Western Red Cedar or Port Orford Cedar. Porch woodwork, pergolas and garden fixtures to be of Western Red Cedar; porch floors of Douglas Fir.

Estimated Cost

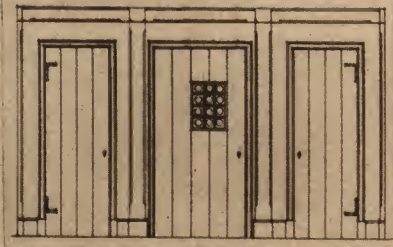
\$16,000 to \$18,500 in the West.
\$18,500 to \$22,000 in the East.

Ground Area

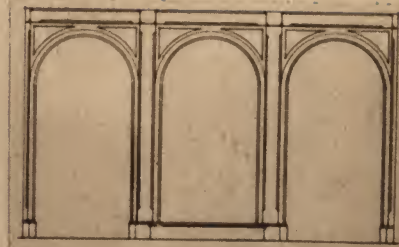
75'-0" front by 51'-0" depth.

DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

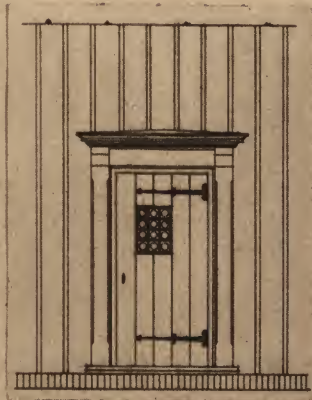
Eighth Mention Design



Detail of hall, opposite stairs.



The hall, toward stairs.



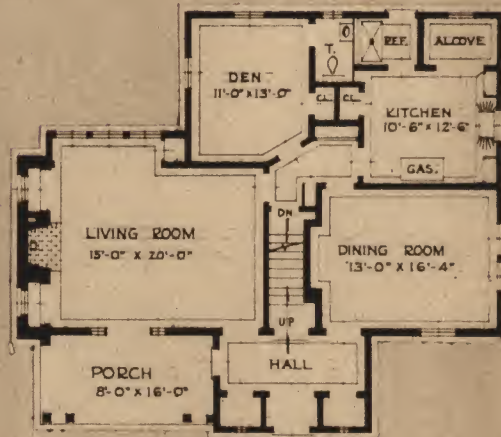
Detail of front entrance.



Fireplace end of living room.



Second floor plan.



First floor plan.

DOUGLAS FIR . WEST COAST HEMLOCK . WESTERN RED CEDAR . SITKA SPRUCE

Eighth Mention Design



R. C. Bicknell, Paterson, New Jersey

A house in good proportion and attractive lines

THE PORCH is a very attractive feature, sheltered as it is by the low pitched roof, and given further character by the sturdy brackets and corner posts. The entrance has dignity relieved by the vertical siding.

The fireplace in the living room with its flanking bookshelves and casement windows is unusually and attractively handled. The separation of the dining room from the living room and the exclusiveness of the den are noteworthy.

The hall is of particular interest. As one enters, three arched entrances are in view, the center one over the stairs, the others leading into the living room and dining room respectively. The hall has two cleverly arranged closets.

The upper floor has an unusually attrac-

tive bedroom, with plenty of light and ventilation, and a private bath.

Designer's Suggestions

Wide boards to be used for vertical siding with 2" strips over joints. Clapboards or horizontal siding to have slight wave on lower edge. Roof of clear vertical grain Western Red Cedar shingles or shakes.

Interior woodwork of Douglas Fir or West Coast Hemlock, stained and waxed. Enameled woodwork of West Coast Hemlock or Sitka Spruce. Kitchen fittings and woodwork to be of Sitka Spruce. Floors of West Coast Hemlock or Douglas Fir.

Estimated Cost

\$11,000 to \$13,000 in the West.
\$13,000 to \$16,000 in the East.

Ground Area

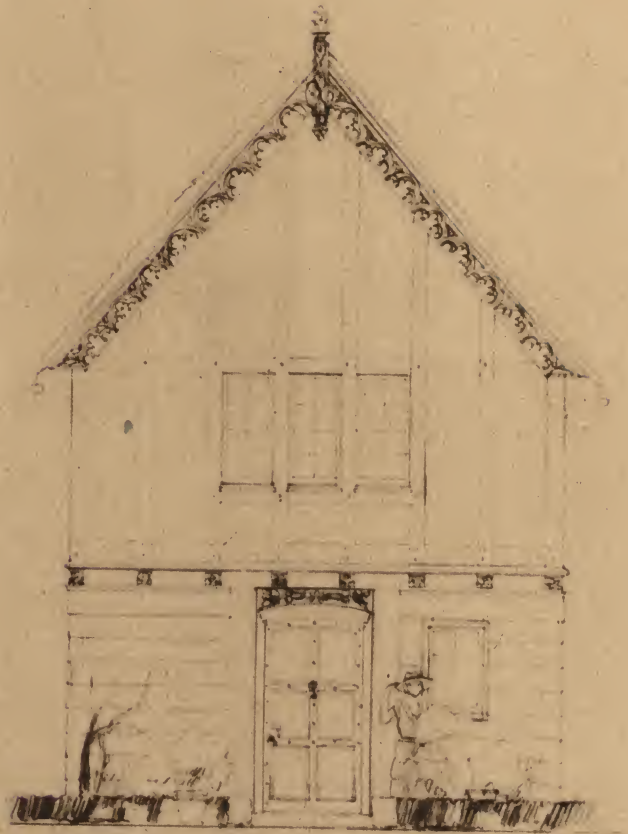
44'-6" front by 38'-2" depth.

DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

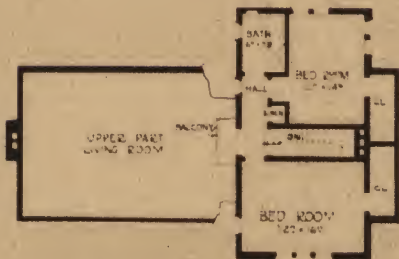
Ninth Mention Design



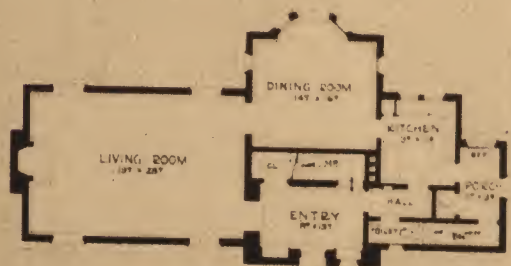
End elevation of living room.



On the main front gable is flush paneling of Douglas Fir plywood or matched boarding with half-timbering that produces a pleasing effect in contrast with the special, wide, resawed siding shown on the remainder of the house.



Second floor plan.



First floor plan.

DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

Ninth Mention Design



Angus McD. McSweeney, San Francisco, California

Many lovable and livable features about this home

THIS HOUSE has a pleasant Old World feeling, with its privet hedge delightfully reminiscent of England.

The entrance and upper exterior details, sketched on the opposite page, are fully deserving the honor of facing the street and receiving first impressions.

Few houses of such modest dimensions afford a living room facing the open on two sides, and of such spacious proportions. Here, indeed, wood plays a prominent part in creating an atmosphere of baronial splendor, exemplified in the wood beam ceilings and exposed trusses.

The house has much to commend it, particularly for a small family, for though limited in the number of its rooms, it is pretentious enough to grace any neighborhood, however exclusive.

Designer's Suggestions

Wide exterior siding of Western Red Cedar or Sitka Spruce finished gray. Main front gable over entrance to have Douglas Fir plywood panels or vertical grain Western Red Cedar or Douglas Fir flush boarding with battens or half-timbering. Roof to be of Western Red Cedar shingles or shakes laid irregularly, doubled at eaves and stained green.

Living room, dining room and hall to have Douglas Fir or West Coast Hemlock paneling with Douglas Fir beamed ceilings, sand etched, stained and oiled.

Ground floor rooms and hallways to have floors of wide boards of Douglas Fir or West Coast Hemlock, roughed with jack plane, stained and oiled.

Estimated Cost

\$10,000 to \$12,500 in the West.
\$12,500 to \$15,000 in the East.

Ground Area

57'-4" front by 29'-6" depth.

DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

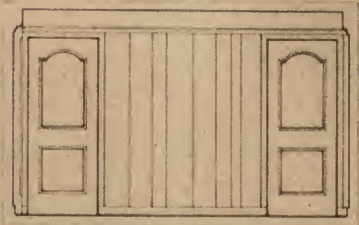
Tenth Mention Design



Front elevation.



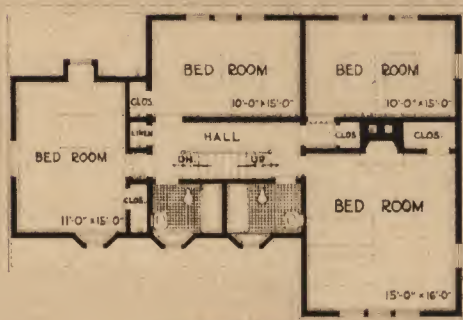
Elevation of living room.



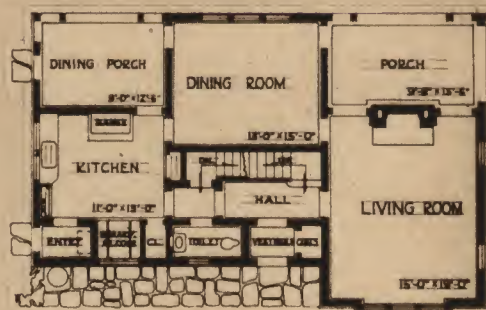
Detail of dining room paneling.



Window detail in dining room.



Second floor plan.



First floor plan.

DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

Tenth Mention Design



John Floyd Yewell and Walter W. Wefferling, New York City

An eight room home with many accessories

THERE ARE many features about this home which suggest the Queen Anne Cottage type, noticeably the right wing with its casement windows and slightly overhung upper floor.

The pleasant dining porch suggests lots of sunny breakfasts, if the rear of the house faces the East or South.

The living room is large and opens onto a sheltered porch very convenient for the smoker.

The upper story has four bedrooms. The two bathrooms are detached from the bedrooms, which is a convenience when all rooms are occupied. The owner's bedroom has a fireplace which completes the setting for a happy household of more than the average number.

Designer's Suggestions

Shingles or shakes to be of Western Red Cedar, laid unevenly, with copper or zinc coated nails. Siding in gables to be of Western Red Cedar, varying widths. Vertical boards on main floor exterior to be of Douglas Fir or Western Red Cedar, varying widths and V-jointed. The beam directly above the boards to be of Douglas Fir, adzed.

Wall trim, base, etc., of living room to be of West Coast Hemlock; of dining room, Douglas Fir. Other interior finish to be of Douglas Fir, West Coast Hemlock or Sitka Spruce. Breakfast nook and kitchen fittings to be all of Sitka Spruce. Floors to be of West Coast Hemlock or Douglas Fir—living room and dining room to be of varying width wide boards.

Estimated Cost

\$11,000 to \$13,500 in the West.
\$13,500 to \$17,000 in the East.

Ground Area

45'-0" front by 30'-0" depth.

DOUGLAS FIR · WEST COAST HEMLOCK · WESTERN RED CEDAR · SITKA SPRUCE

Decorative Wood Effects



ABOVE—Striking examples of sand etching to bring out the natural beauty of slash grain Douglas Fir.

BELOW—Three steps in the history of logging interpreted by unusual designs in sand-etched panels of vertical grain Douglas Fir.



Primeval logging by man power.

Early West Coast logging.

Modern West Coast logging.

DOUGLAS FIR · WEST COAST HEMLOCK · WESTERN RED CEDAR · SITKA SPRUCE

Decorative Wood Effects



These beautiful designs are obtained by sand etching through a heavy manila paper stencil. Hand colored, they are most beautiful and distinctive.

Sand-etching—a new decoration

AN ARTISTIC genius discovered a unique and beautiful treatment for panels, columns, pilasters, etc., through sand etching. It is usually done on Douglas Fir, but interesting use is also made of Western Red Cedar and West Coast Hemlock. The illustrations on these pages give an idea of this simple and inexpensive wood treatment.

How it is done

A heavy manila paper stencil is cut according to the design to be reproduced.

This is glued to the board or panel, and rough sand applied under 20 to 30 pounds air pressure. Coarse, sharp sand is preferable. When the sand etching is completed, color may be applied to give the desired effect. Clear lacquer can be used to heighten the color. Flat or slash grain panels or boards can be sand-etched with equally pleasing results. A stencil is not necessary for slash grain, the natural grain of the wood having sufficient figure.

DOUGLAS FIR - WEST COAST HEMLOCK - WESTERN RED CEDAR - SITKA SPRUCE

Members of West Coast Lumber Bureau

Lumber Manufacturers

Anderson & Middleton Lumber Co....Aberdeen, Wash.
 Bay City Lumber Co.....Aberdeen, Wash.
 Beaver Lumber Co., 1004 Pacific Bldg....Portland, Ore.
 Bellpak Lumber & Timber Co.....Van Zandt, Wash.
 Booth-Kelly Lumber Co.....Eugene, Ore.
 Bratlie Bros. Mill Co.....Ridgefield, Wash.
 Buchanan Lumber Co.....Olympia, Wash.
 Canyon Lumber Co.....Everett, Wash.
 Carlisle Lumber Co.....Onalaska, Wash.
 Chehalis Mill Co.....Salkum, Wash.
 Clark-Nickerson Lumber Co.....Everett, Wash.
 Clear Fir Lumber Co.....Tacoma, Wash.
 Clough Lumber Co.....Stanwood, Wash.
 Clough-Hartley Co.Everett, Wash.
 Coats, A. F., Lumber Co.....Tillamook, Ore.
 Cobbs & Mitchell Co., American Bank
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 Colby Lumber Co., Inc., White-Henry-
 Stuart Bldg.....Seattle, Wash.
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 Dempsey Lumber Co.....Tacoma, Wash.
 Dickman Lumber Co.....Tacoma, Wash.
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 Doty Lumber & Shingle Co., 1107 Public
 Service Bldg.....Portland, Ore.
 Duncan Lumber Co., 633-8 Pacific Bldg...Portland, Ore.
 Eagle Lumber Co.....Westminster, Ore.
 Elliott Bay Mill Co., 600 W. Spokane St...Seattle, Wash.
 Emery & Nelson, Inc.....Napavine, Wash.
 Fischer Lumber Co.....Marcola, Ore.
 Flanagan, Walter, Lumber Co.....Acme, Wash.
 Foster-Newbegin Lumber Co.....Tacoma, Wash.
 Globe Lumber Co.....Globe, Wash.
 Hammond Cedar Co., Ltd....New Westminster, B. C.
 Henry Mill & Timber Co.....Tacoma, Wash.
 Hulbert, Wm., Mill Co.....Everett, Wash.
 Knapperton Mills & Lumber Co., Pittock
 BlockPortland, Ore.
 Lincoln Creek Lumber Co.....Centralia, Wash.
 Long-Bell Lumber Co.....Longview, Wash.
 Maughlin Lumber Co.....Snohomish, Wash.
 McMaster, John, Shingle Co., 4443 Stuart
 Bldg.Seattle, Wash.
 McNair Lumber & Shingles, Ltd.....Vancouver, B. C.
 Miller, E. C., Cedar Lumber Co.....Aberdeen, Wash.
 Mohawk Lumber Co., Ltd.....New Westminster, B. C.
 Mumby Lumber & Shingle Co.....Bordeaux, Wash.
 Mutual Lumber Co.....Bucoda, Wash.
 Nettleton Lumber Co., 26th S. W. and
 FloridaSeattle, Wash.
 North End Lumber Co.....Tacoma, Wash.
 Olympia Harbor Lumber Co.....Olympia, Wash.
 Oregon-American Lumber Co.....Vernonia, Ore.
 Oriental Lumber Co.....Aberdeen, Wash.
 Ostrander Railway & Timber Co.....Ostrander, Wash.
 Owen-Oregon Lumber Co.....Medford, Ore.
 Pacific Spruce Corporation, American
 Bank Bldg.....Portland, Ore.
 Pacific States Lumber Co.....Tacoma, Wash.
 Peninsula Lumber Co., Drawer 4198....Portland, Ore.
 Rat Portage Lumber Co., Ltd., 1816
 Granville St.....Vancouver, B. C.
 Reed Mill Co.....Shelton, Wash.
 Ridgefield Lumber Co.....Ridgefield, Wash.
 Robinson Manufacturing Co.....Everett, Wash.
 Seattle Cedar Lumber Mfg. Co., 1540
 W. 46th St.....Seattle, Wash.
 Seattle Mill & Logging Co., 10002 Rainier
 Ave.Seattle, Wash.
 Silver Falls Timber Co.....Silverton, Ore.
 Skagit Mill Co.....Lyman, Wash.
 Snoqualmie Falls Lumber Co...Snoqualmie Falls, Wash.
 Springer Mill Co.....Olympia, Wash.
 St. Paul & Tacoma Lumber Co.....Tacoma, Wash.

Stimson Timber Co., 700 Westlake
 NorthSeattle, Wash.
 Straits Lumber Co., Ltd.....Red Gap, B. C.
 Thurston-Flavelle, Ltd.....Pt. Moody, B. C.
 Tomahawk Sawmills, Ltd.....North Vancouver, B. C.
 Wallace Lumber & Manufacturing Co.....Sultan, Wash.
 Walton Lumber Co.....Everett, Wash.
 Walville Lumber Co.....Walville, Wash.
 West Oregon Lumber Co.....Linnton, Ore.
 Westport Lumber Co.....Westport, Ore.
 West Waterway Lumber Co., Box 3205..Seattle, Wash.
 Weyerhaeuser Timber Co.....Everett, Wash.
 Whatcom Falls Mill Co.....Bellingham, Wash.
 Wheeler, C. H., Yeon Bldg.....Portland, Ore.
 Wheeler, Osgood Co., The.....Tacoma, Wash.
 White River Lumber Co.....Enumclaw, Wash.
 Willapa Lumber Co., 1225 Failing Bldg...Portland, Ore.
 Williams Fir Finish Co., 600 Myrtle St..Seattle, Wash.
 Wood, E. K., Lumber Co.....Anacortes, Wash.
 Wood & Iverson, Inc.....Hobart, Wash.

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Albany Door Co.....Albany, Ore.
 East Tacoma Manufacturing Co.....Tacoma, Wash.
 Johnson's Millwork Manufacturing Co...Tacoma, Wash.
 Pacific Door & Manufacturing Co.,
 Seventh So. and Charleston.....Seattle, Wash.
 Tacoma Millwork Supply Co.....Tacoma, Wash.
 Tacoma Sash & Door Co.....Tacoma, Wash.
 Toledo Planing Mill.....Toledo, Ore.

Shingle and Shake Manufacturers

Fittie Colonial Shake Co., 4421 White-
 Henry-Stuart Bldg.....Seattle, Wash.

Wood Pipe Manufacturers

American Wood Pipe Co.....Tacoma, Wash.
 Cascade Pipe & Flume Co., 2839 W.
 FloridaSeattle, Wash.
 Federal Pipe & Tank Co., Foot 24th
 Ave. N. W.....Seattle, Wash.

Loggers

Brown, O. W., Locomotive & Supply
 Co., 532 Lumber Exchange Bldg.....Seattle, Wash.
 Cascade Timber Co.....Tacoma, Wash.
 Cherry Valley Logging Co.....Everett, Wash.
 Christenson Logging Co., Pacific Bldg...Portland, Ore.
 Cispus Logging Co.....Tacoma, Wash.
 Clemons Logging Co.....Tacoma, Wash.
 Connacher Logging Co., Concord Bldg...Portland, Ore.
 Crescent Logging Co.....Everett, Wash.
 Green Mountain Logging Co.....Kerry, Ore.
 Hama Hama Logging Co., 503 Marion
 Bldg.Seattle, Wash.
 K-P Timber Co.....Kerry, Ore.
 Mason County Logging Co.....Bordeaux, Wash.
 Merrill & Ring Lumber Co., White
 Bldg.Seattle, Wash.
 Mineral Lake Logging Co.....Tacoma, Wash.
 Monroe Logging Co.....Everett, Wash.
 Murphy Timber Co.....Yacolt, Wash.
 Mud Bay Logging Co.....Olympia, Wash.
 Nehalem Timber & Logging Co., 1004
 Pacific Bldg.....Portland, Ore.
 North Bend Timber Co.....North Bend, Wash.
 Phoenix Logging Co., White Bldg.....Seattle, Wash.
 Sauk River Lumber Co., First National
 Bank Bldg.....Everett, Wash.
 Siler Logging Co.....Everett, Wash.
 Simpson Logging Co.....Shelton, Wash.
 Sound Timber Co., 946 Henry Bldg.....Seattle, Wash.
 Sunset Timber Co.....Raymond, Wash.
 Wallace Falls Timber Co.....Gold Bar, Wash.
 West Fork Logging Co.....Tacoma, Wash.

West Coast Woods

THE DOUGLAS FIR region of Oregon, Washington and British Columbia, the home of the Four Big Tree Woods, is the most spectacular forest area in America, if not in the world. Twenty-four million acres of timberland—covered with the densest growth known—are waiting today, mature, and ready for the use and needs of the American home-builder. This forest primeval is becoming well known as "*America's Permanent Lumber Supply.*"

Frequently, timber sufficient to supply all the building needs for ten fairly large homes of wood is taken from one acre in the Douglas Fir region. This land also produces forest growth so rapidly that there is no question now but that, if properly guarded from fire, it will supply a major portion of America's lumber needs for generations to come.

Timber varies in quality as do other materials. Some woods are better suited for one purpose than for another, and there is a quality about these Four Big Tree Woods—shown by the seriousness of the architectural work reproduced in this booklet—that should be known to every prospective home-builder. A short description of these woods is here given.

Douglas Fir

From timbers forty-eight inches square and a hundred feet long to tiny battery separators $\frac{3}{4}$ of an inch thick, Douglas Fir has more uses than has any other wood in the world. It is plentiful—the largest stand of any single species—tough, strong, stiff, and has a most pleasing grain so that it may fill almost any place for wood.

West Coast Hemlock

Second only to Douglas Fir in strength and stiffness, and superior to it in some properties, West Coast Hemlock is one of the choice woods of the American forests for flooring, finish, siding, sheathing and framing. For paneled walls where it is desired that a delicate tracery of grain should show through, or where enameling is wanted, West Coast Hemlock is ideal. Stained, it shows as smooth a surface and as fine a texture as a hardwood.

Western Red Cedar

Western Red Cedar is one of the three most durable woods used for American home building. On the outside of the home, on the side walls and on the roof, it is a wood chosen by the most discriminating builders. Siding of this wood is obtainable in 4 to 12-inch widths. Some very interesting effects are also produced in Western Red Cedar in interior finish, and, because of the character of its cell structure, it is also an excellent insulator.

Western Red Cedar shingles and shakes are without a peer in the world today. Vertical grain shingles, applied with zinc coated or copper nails, will last longer than the building they cover.

Sitka Spruce

Lindbergh crossed the Atlantic on wings of Sitka Spruce! It is the United States Government standard wood for airplanes. It is light, extremely tough for its weight, contains no resin, and takes finishes easily. Sitka Spruce is ideal for enameled walls. It is a better base for hard enamels than either a harder or a softer wood. Because it is tasteless and without odor, it is used extensively for woodwork in pantries, kitchens, refrigerators and all places where food is kept, and also for pantry and kitchen counters and drainboards, because of its uniform texture and consequent freedom from warping, and its limited swelling and shrinking. It is also used for exterior trim and siding, especially bevel siding and wide Colonial siding.

Building Specifications

In the preceding pages, designers' suggestions have been given only for outstanding features. All of the West Coast woods are "versatile"—their large size and high strength qualities produce material suitable for many purposes, and an entire house could be built with any one of them.

In general, framing is usually of Douglas Fir or West Coast Hemlock; bevel siding of West Coast Hemlock, Western Red Cedar or Sitka Spruce; Colonial siding of Western Red Cedar or Sitka Spruce; flooring of Douglas Fir or West Coast Hemlock; porch floors of Douglas Fir; interior finish, stained, of any of the West Coast woods; interior finish, enameled, of West Coast Hemlock, Sitka Spruce or vertical grain Douglas Fir.

Further Information Available

The West Coast Lumber Bureau will be glad to answer any inquiries regarding these Four Big-Tree Woods.



WEST COAST LUMBER BUREAU

Seattle
Washington

Longview
Washington

Portland
Oregon

DOUGLAS FIR · WEST COAST HEMLOCK · WESTERN RED CEDAR · SITKA SPRUCE

